

LISTING OF THE CLAIMS PER 37 C.F.R. §1.121

1-225. (Cancelled)

226. (New) A key distribution method for management of keys used for encryption of data items redirected between a messaging server and a mobile device associated with a user, the user having a mail address at the messaging server, the method comprising:

generating a first pair of keys by a redirector component associated with the messaging server, the first pair of keys including a public key and a private key;

storing the private key of the first pair of keys at the redirector component and providing the public key of the first pair of keys to a key repository;

generating a second pair of keys by the mobile device, the second pair of keys including a public key and a private key;

storing the private key of the second pair of keys at the mobile device and providing the public key of the second pair of keys to the key repository; and

exchanging the public keys of the first and second pairs of keys between the redirector component and the mobile device.

227. (New) The key distribution method as recited in claim 226, wherein the public keys of the first and second pairs of keys are exchanged when the mobile device first registers with the redirector component.

228. (New) The key distribution method as recited in claim 226, wherein the public keys of the first and second pairs of keys are exchanged when the mobile device is coupled to a desktop computer system associated with the user.

229. (New) The key distribution method as recited in claim 226, wherein the public keys of the first and second pairs of keys are exchanged via the key depository.

230. (New) The key distribution method as recited in claim 226, wherein the public key of the first pair of keys is an encryption key.

231. (New) The key distribution method as recited in claim 230, wherein the private key of the first pair of keys is a decryption key.

232. (New) The key distribution method as recited in claim 226, wherein the public key of the second pair of keys is an encryption key.

233. (New) The key distribution method as recited in claim 232, wherein the private key of the second pair of keys is an decryption key.

234. (New) A key distribution system for management of keys used for encryption of data items redirected between a messaging server and a mobile device associated with a user, the user having a mail address at the messaging server, the system comprising:

means for generating a first pair of keys at a redirector component associated with the messaging server, the first pair of keys including a public key and a private key;

means for storing the private key of the first pair of keys at the redirector component and for providing the public key of the first pair of keys to a key repository;

means for generating a second pair of keys at the mobile device, the second pair of keys including a public key and a private key;

means for storing the private key of the second pair of keys at the mobile device and for providing the public key of the second pair of keys to the key repository; and

means for exchanging the public keys of the first and second pairs of keys between the redirector component and the mobile device.

235. (New) The key distribution system as recited in claim 234, wherein the public keys of the first and second pairs of keys are exchanged when the mobile device first registers with the redirector component.

236. (New) The key distribution system as recited in claim 234, wherein the public keys of the first and second pairs of keys are exchanged when the mobile device is coupled to a desktop computer system associated with the user.

237. (New) The key distribution system as recited in claim 234, wherein the public keys of the first and second pairs of keys are exchanged via the key repository.

238. (New) The key distribution system as recited in claim 234, wherein the public key of the first pair of keys is an encryption key.

239. (New) The key distribution system as recited in claim 238, wherein the private key of the first pair of keys is a decryption key.

240. (New) The key distribution system as recited in claim 234, wherein the public key of the second pair of keys is an encryption key.

241. (New) The key distribution system as recited in claim 240, wherein the private key of the second pair of keys is an decryption key.